

Appendix C. Areal average surface and bottom temperature, salinity, and anomalies
Presented by cruise using hydrographic data collected in 2001.

Table 4. Areal average surface and bottom temperature and temperature anomalies for the 2002 NEFSC cruises in the five regions of the northeast continental shelf as shown in Figure 1

CRUISE	CD	SURFACE					BOTTOM				
		#obs	Temp	Anomaly	SDV1	SDV2	#obs	Temp	Anomaly	SDV1	SDV2 (1)
Gulf of Maine West											
AL0202	26	14	6.47	0.72	0.29	0.62	13	7.20	1.02	0.24	0.49
AL0204	108	46	6.37	1.39	0.20	0.86	44	6.40	1.30	0.16	0.76
AL0206	156	34	10.81	0.59	0.21	0.61	20	6.71	1.22	0.19	0.89
NO0201	240	20	18.33	1.59	0.27	1.56	18	7.77	1.02	0.22	1.18
DE0208	257	64	17.52	1.83	0.15	.72*	51	7.75	1.25	0.13	.63*
AL0210	295	47	13.37	1.16	0.19	0.73	45	8.44	1.18	0.14	1.52
DE0210	316	11	10.71	0.55	0.37	0.49	9	8.92	0.66	0.31	.94*
Gulf of Maine East											
AL0202	26	18	5.70	0.41	0.25	0.73	14	7.52	0.37	0.31	1.21
AL0204	112	35	5.46	0.71	0.19	0.74	32	7.36	0.52	0.22	0.75
AL0206	154	21	9.10	0.73	0.20	0.47	10	8.18	1.08	0.33	0.70
NO0201	238	16	16.81	2.43	0.26	1.62	13	9.33	0.89	0.30	2.00
DE0208	268	24	16.71	1.52	0.19	.63*	23	10.17	0.68	0.19	.95*
AL0210	289	29	13.48	1.18	0.20	0.72	26	9.80	1.23	0.21	1.52
DE0210	316	7	11.19	0.18	0.34	.51*	5	9.89	0.29	0.47	1.02*
Georges Bank											
AL0202	26	15	6.60	1.35	0.23	.37*	14	6.67	1.17	0.22	.54*
AL0203	59	18	5.90	0.64	0.40	.77*	10	7.72	2.03	0.47	1.48*
AL0204	101	52	6.25	1.28	0.19	0.64	46	6.77	1.57	0.24	0.83
AL0206	151	32	11.20	1.94	0.26	1.34	26	8.80	1.12	0.28	0.99
AL0208	216	65	18.47	3.06	0.18	2.23	64	11.25	0.40	0.21	2.29
NO0201	236	31	19.97	3.59	0.26	1.89	27	13.08	0.99	0.32	1.79
AL0209	237	26	18.82	3.94	0.19	1.20*	26	11.89	0.09	0.18	2.30*
DE0208	279	24	17.15	1.73	0.19	.90*	24	13.97	1.55	0.20	1.98*
AL0210	279	56	17.76	2.49	0.22	1.56	47	14.46	1.75	0.23	2.13
DE0210	312	30	12.78	0.09	0.23	0.65	28	12.75	0.80	0.27	1.02
MAB North											
AL0203	55	49	6.96	1.95	0.25	1.04*	38	7.05	2.28	0.26	1.02*
DE0201	62	12	7.97	2.13	0.65	.79*	6	7.54	2.89	0.66	.46*
AL0204	69	53	7.29	2.80	0.28	0.94	47	7.97	2.76	0.34	1.28
AL0206	148	23	12.49	0.96	0.35	1.22	20	8.50	0.86	0.42	1.51
AL0208	210	19	22.10	2.18	0.36	1.29*	19	8.99	0.98	0.35	.68*
NO0201	231	24	23.63	3.51	0.39	1.33	21	11.22	1.03	0.45	1.85
AL0210	271	61	19.70	1.40	0.27	1.24	56	13.07	0.93	0.34	2.76
DE0210	307	20	15.70	1.15	0.39	1.40	18	14.67	1.44	0.42	1.21
MAB South											
AL0203	46	78	9.72	3.43	0.24	2.48	62	9.68	3.21	0.30	1.86
DE0201	55	26	9.00	2.57	0.38	1.55*	16	8.56	3.75	0.38	1.18*
AL0204	84	87	9.24	3.14	0.24	0.95	82	9.11	2.96	0.29	1.29
AL0206	146	40	14.64	-0.16	0.31	0.64	40	11.80	2.73	0.35	1.44
AL0208	202	48	24.60	1.41	0.26	1.05*	47	9.59	1.96	0.30	1.15*
NO0201	228	35	25.24	1.21	0.34	1.44	33	13.94	1.73	0.38	2.91
AL0210	256	87	23.27	0.96	0.25	1.01	81	15.44	1.59	0.31	2.71
DE0210	304	38	16.87	0.59	0.31	1.00	36	15.85	1.13	0.35	1.10

(1) "CRUISE", the code name for a cruise; "CD", the calendar mid-data of all the stations within a region for a cruise; "# obs", the number of observations included in each average; "Temp", the areal average temperature; "Anomaly", the areal average temperature anomaly; "SDV1", the standard deviation associated with the average temperature anomaly; "SDV2", the standard deviation of the individual anomalies from which the average anomaly was derived.

(*) A true areal average could not be calculated due to poor station coverage. The average values listed were derived from a simple average of the observations within the region.

Table 5. Areal average surface and bottom salinity and salinity anomalies for the 2002 NEFSC cruises in the five regions of the northeast continental shelf as shown in Figure 1

CRUISE	CD	SURFACE					BOTTOM				
		#obs	Salt	Anomaly	SDV1	SDV2	#obs	Salt	Anomaly	SDV1	SDV2 (1)
Gulf of Maine West											
AL0202	26	14	32.99	-0.06	0.14	0.26	13	33.67	0.10	0.08	0.24
AL0204	108	46	32.51	-0.05	0.09	0.44	44	33.41	0.05	0.06	0.26
AL0206	156	34	32.07	-0.07	0.09	0.24	20	33.50	0.18	0.08	0.28
NO0201	240	20	32.24	0.19	0.12	0.38	18	33.64	0.11	0.08	0.21
DE0208	257	46	32.39	0.35	0.07	.34*	50	33.83	0.25	0.04	.35*
AL0210	295	46	32.87	0.33	0.08	0.20	45	33.77	0.16	0.06	0.27
DE0210	316	11	33.09	0.33	0.17	0.13	9	33.57	0.03	0.11	.39*
Gulf of Maine East											
AL0202	26	18	32.35	-0.37	0.13	0.32	14	33.91	0.01	0.09	0.41
AL0204	112	34	32.27	-0.20	0.11	0.32	32	34.02	0.05	0.07	0.32
AL0206	154	21	32.37	-0.06	0.12	0.22	10	33.99	0.21	0.10	0.29
NO0201	238	15	32.57	0.17	0.13	0.35	13	34.32	0.25	0.09	0.36
DE0208	268	24	32.55	0.12	0.08	.14*	23	34.28	0.18	0.06	.19*
AL0210	289	27	32.96	0.37	0.13	0.24	26	34.43	0.24	0.07	0.32
DE0210	316	7	33.01	0.33	0.17	.08*	5	34.03	0.08	0.11	.39*
Georges Bank											
AL0202	26	15	32.86	-0.08	0.09	.07*	14	32.94	0.00	0.07	.24*
AL0203	59	18	32.68	-0.45	0.16	.39*	10	33.43	0.05	0.17	.60*
AL0204	101	51	32.69	-0.27	0.07	0.35	45	33.10	-0.06	0.08	0.26
AL0206	151	32	32.76	-0.11	0.10	0.25	26	32.84	-0.19	0.10	0.29
AL0208	216	65	32.82	0.18	0.06	0.47	64	33.03	0.04	0.07	0.35
NO0201	236	31	33.14	0.44	0.09	0.77	27	33.08	0.05	0.11	0.37
AL0209	237	26	32.64	0.04	0.07	.53*	26	32.89	0.11	0.06	.25*
DE0208	279	23	32.59	0.08	0.07	.14*	24	33.21	0.25	0.07	.40*
AL0210	279	56	33.13	0.38	0.09	0.74	47	33.35	0.38	0.08	0.54
DE0210	312	30	32.96	0.23	0.08	0.16	28	33.24	0.23	0.10	0.34
MAB North											
AL0203	55	49	33.08	-0.03	0.10	.42*	38	33.22	-0.09	0.10	.33*
DE0201	62	11	33.44	0.12	0.28	.40*	6	33.36	0.02	0.24	.27*
AL0204	69	53	33.10	0.16	0.12	0.47	47	33.49	0.08	0.12	0.42
AL0206	148	22	32.51	0.11	0.16	0.38	19	33.09	-0.24	0.14	0.47
AL0208	210	19	32.03	0.20	0.16	.60*	19	32.83	-0.16	0.13	.20*
NO0201	231	24	32.30	-0.09	0.17	0.51	21	33.23	-0.13	0.15	0.37
AL0210	271	61	32.96	0.36	0.11	0.55	56	33.51	0.11	0.11	0.57
DE0210	307	20	33.98	1.02	0.17	0.07	18	34.12	0.51	0.15	0.42
MAB South											
AL0203	46	78	34.14	0.54	0.14	0.73	62	34.23	0.52	0.11	0.55
DE0201	55	24	33.90	0.13	0.20	.56*	16	33.93	0.43	0.14	.36*
AL0204	84	86	33.80	0.79	0.14	0.81	82	33.92	0.42	0.10	0.60
AL0206	146	40	33.20	1.01	0.18	0.61	40	33.77	0.45	0.13	0.36
AL0208	202	35	32.37	0.58	0.20	0.69	33	33.34	0.28	0.15	0.57
NO0201	228	47	32.06	0.16	0.13	.56*	47	33.40	0.09	0.10	.47*
AL0210	256	87	32.40	0.28	0.14	0.63	80	32.82	-0.29	0.11	0.53
DE0210	304	38	33.28	0.47	0.18	0.57	36	33.32	0.00	0.13	0.60

(1) "CRUISE", the code name for a cruise; "CD", the calendar mid-data of all the stations within a region for a cruise;
 "# obs", the number of observations included in each average; "Salt", the areal average temperature; "Anomaly",
 the areal average salinity anomaly; "SDV1", the standard deviation associated with the average salinity
 anomaly; "SDV2", the standard deviation of the individual anomalies from which the average anomaly was derived.

(*) A true areal average could not be calculated due to poor station coverage. The average values listed were derived
 from a simple average of the observations within the region.